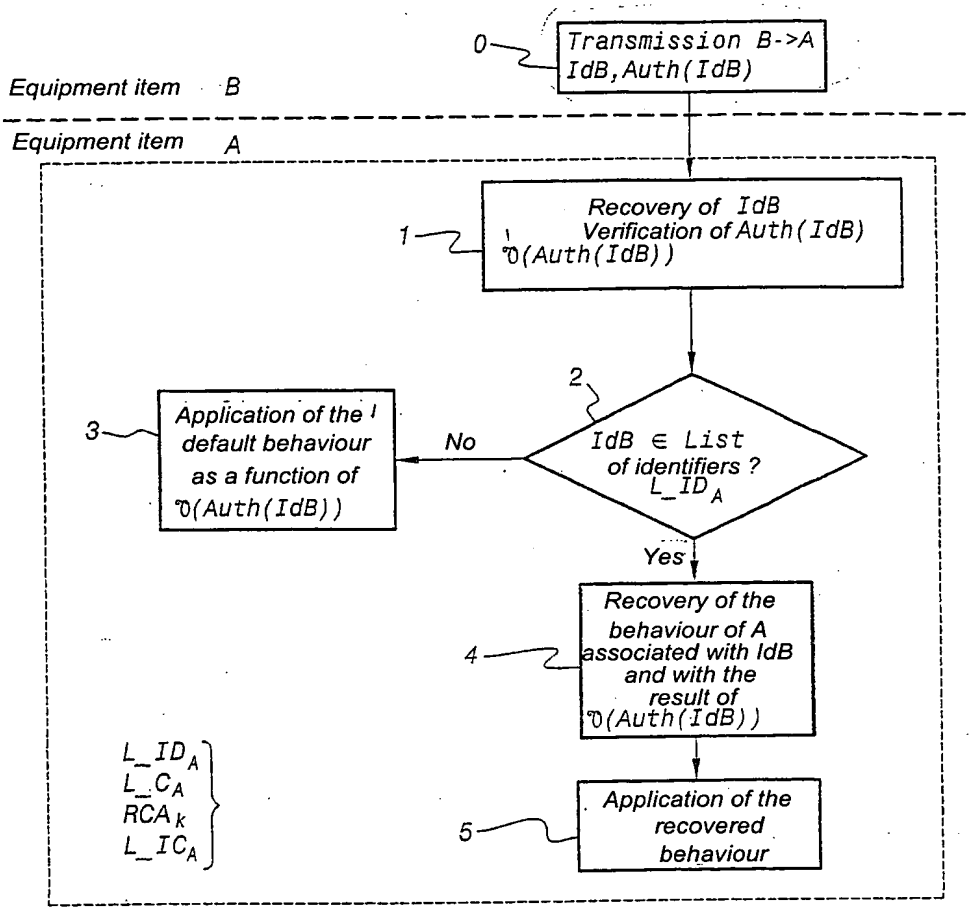

$$\begin{cases} L_ID_A = [IdB, IdC, \ldots, IdF, IdH] \\ L_C_A = [RCA_1, RCA_2, \ldots, RCA_k, \ldots, RCA_n] \\ RCA_k = [CA_1, CA_2, \ldots, CA_p] \\ L_IC_A = [[IdB[RCA_1]]; [IdC[RCA_k]]; \ldots] \end{cases}$$

FIG.1

BEST AVAILABLE COPY

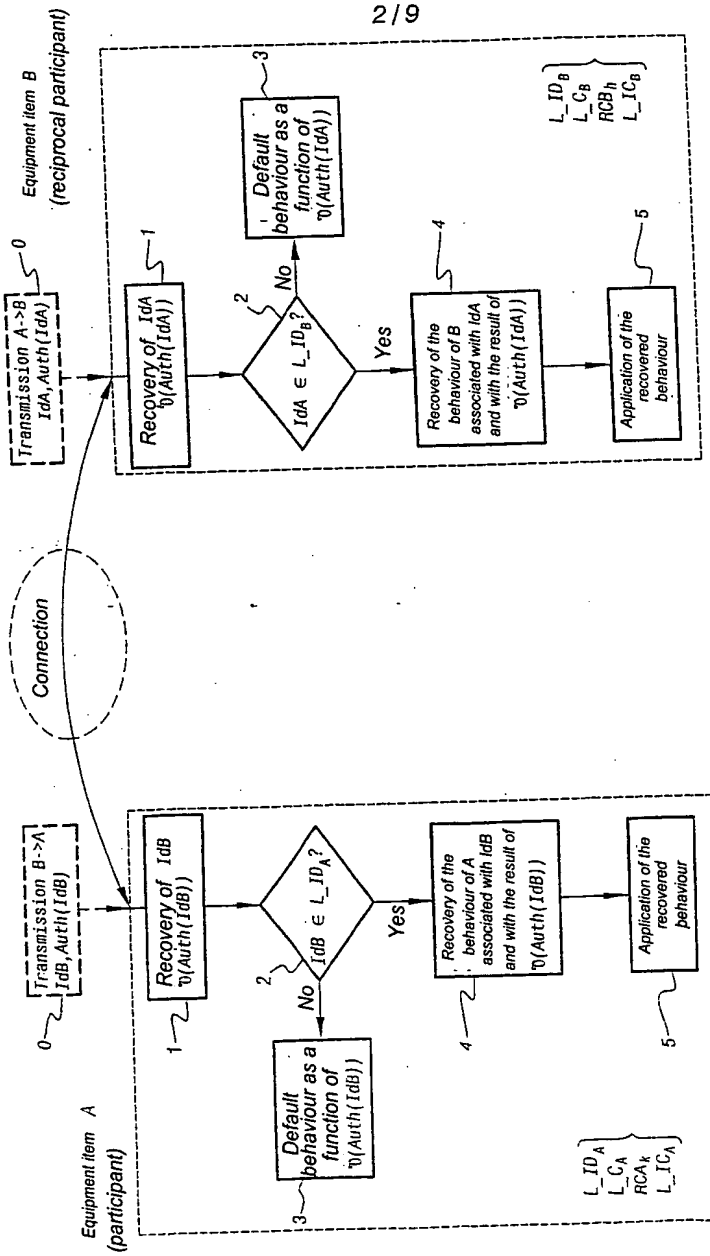

FIG.2a

BEST AVAILABLE COPY

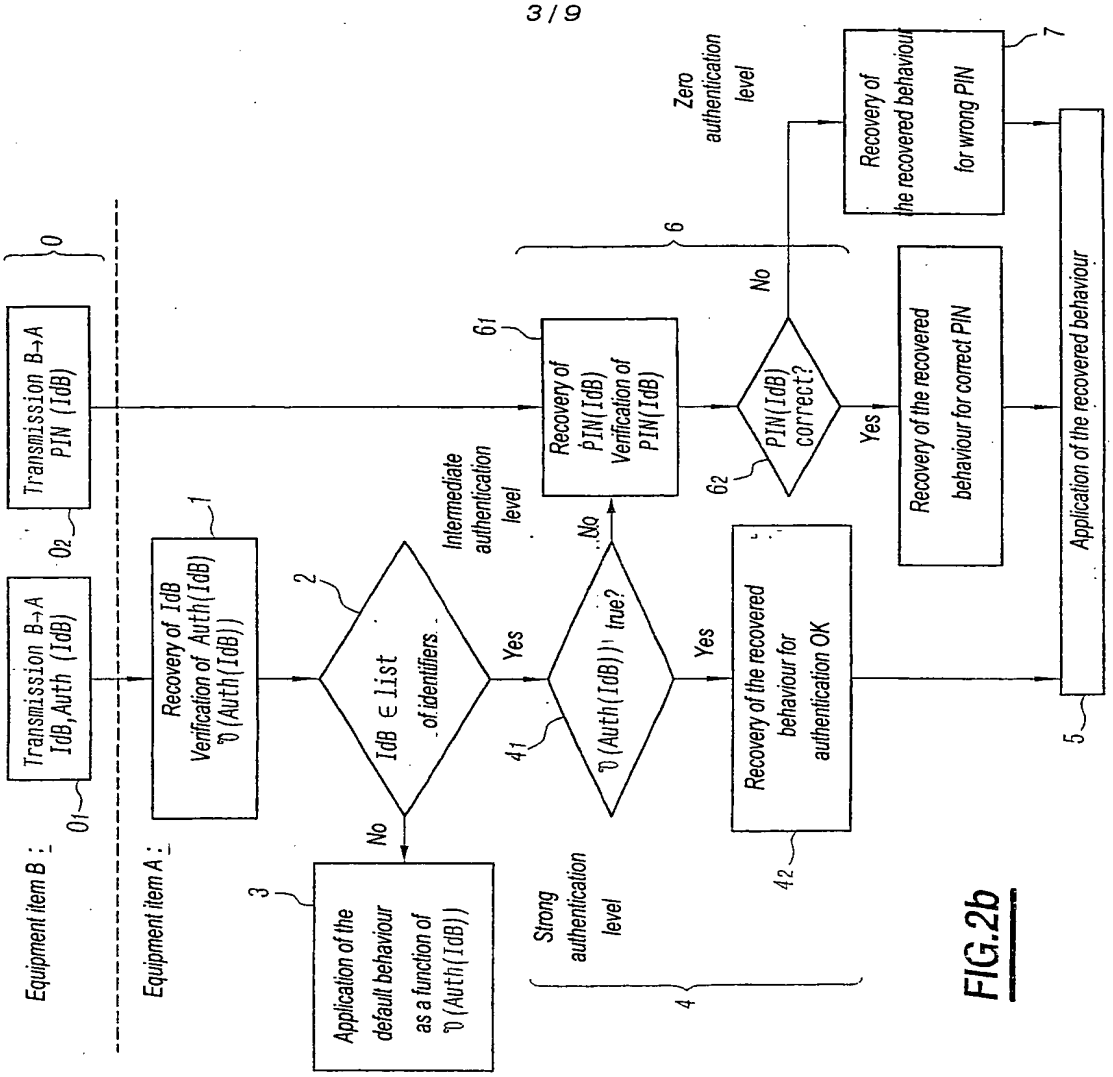

FIG.2b

BEST AVAILABLE COPY

Equipment item A

$L_ID_A = [IdB, IdC, \ldots, IdF, IdH]$

$L_C_A = [RCA_1, RCA_2, \ldots, RCA_k, \ldots, RCA_n]$

$RCA_k = [CA_1, CA_2, \ldots, CA_p]$

$L_IC_A = [[IdB[RCA_1]]; [IdC[RCA_k]]; \ldots]$

Equipment item B

$L_ID_B = [IdA, IdD, IdE]$

$L_C_B = [RCB_1, RCB_2, \ldots, RCB_h, \ldots, RCB_r]$

$RCB_h = [CB_1, CB_2, \ldots, CB_q]$

$L_IC_B = [[IdA[RCB_2]]; [IdD[RCB_1]], \ldots]$

FIG.2c

Equipment item A (Terminal)

$L_ID_A = [IdB, IdC, \ldots, IdF, IdH]$

$L_C_A = [RCA_1, RCA_2, \ldots, RCA_k, \ldots, RCA_n]$

$RCA_k = 010010110$

$L_IC_A = [[IdB[RCA_1]]; [IdC[RCA_2]], \ldots]$

(010010) (01001)

Equipment item B (Card)

$L_ID_B = [IdA, IdD, IdE]$

$L_C_B = [RCB_1, RCB_2, \ldots, RCB_h, \ldots, RCB_r]$

$RCB_h = 1001010$

$L_IC_B = [[IdA[RCB_2]]; [IdD[RCB_1]], \ldots]$

(01001) (0100)

FIG.2d

BEST AVAILABLE COPY

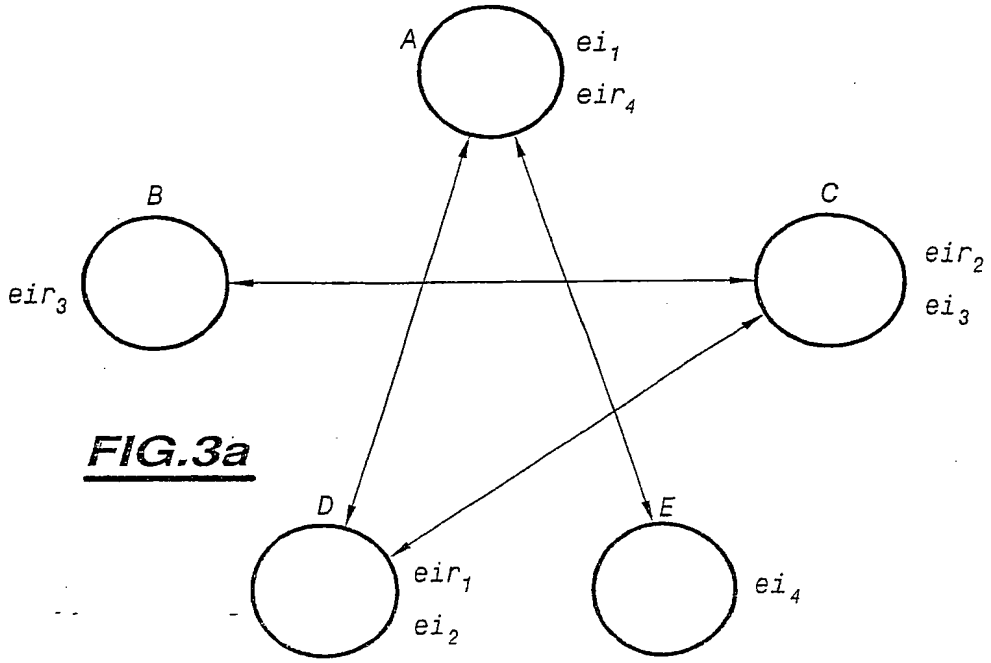

FIG.3a

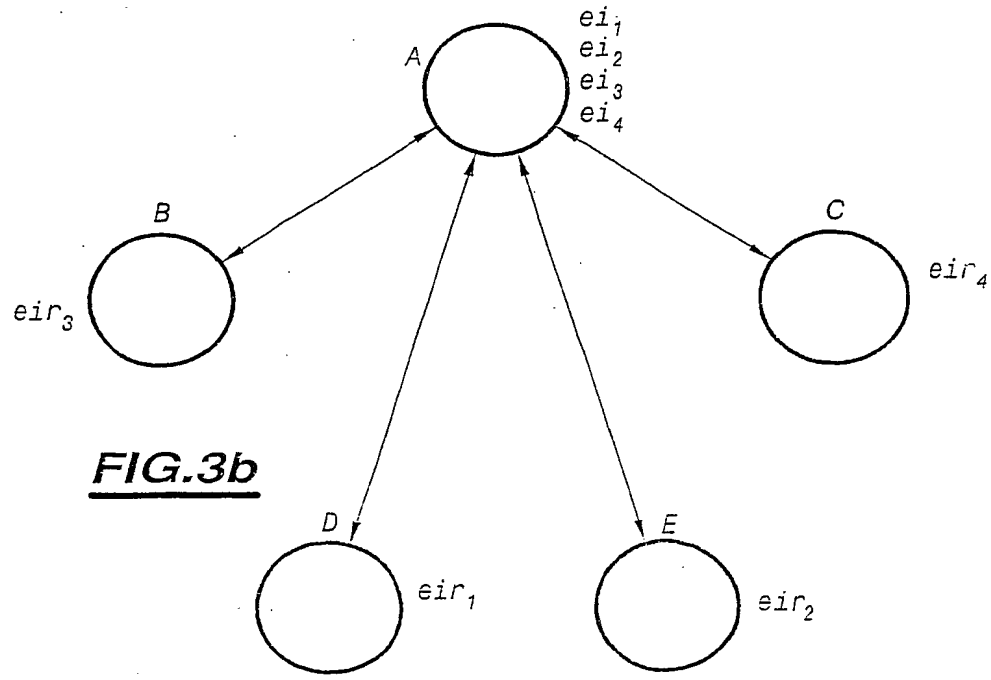

FIG.3b

BEST AVAILABLE COPY

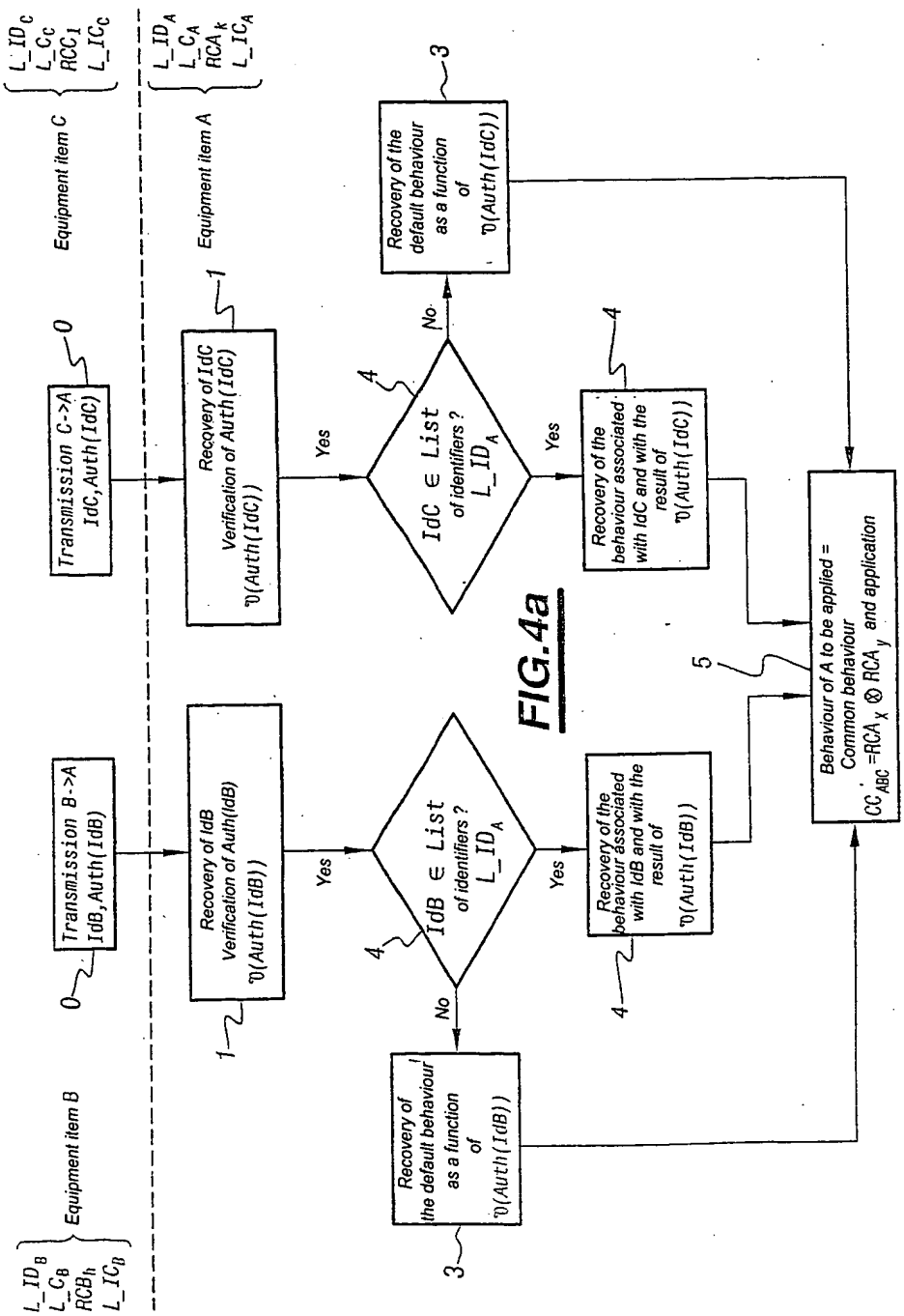

FIG.4a

BEST AVAILABLE COPY

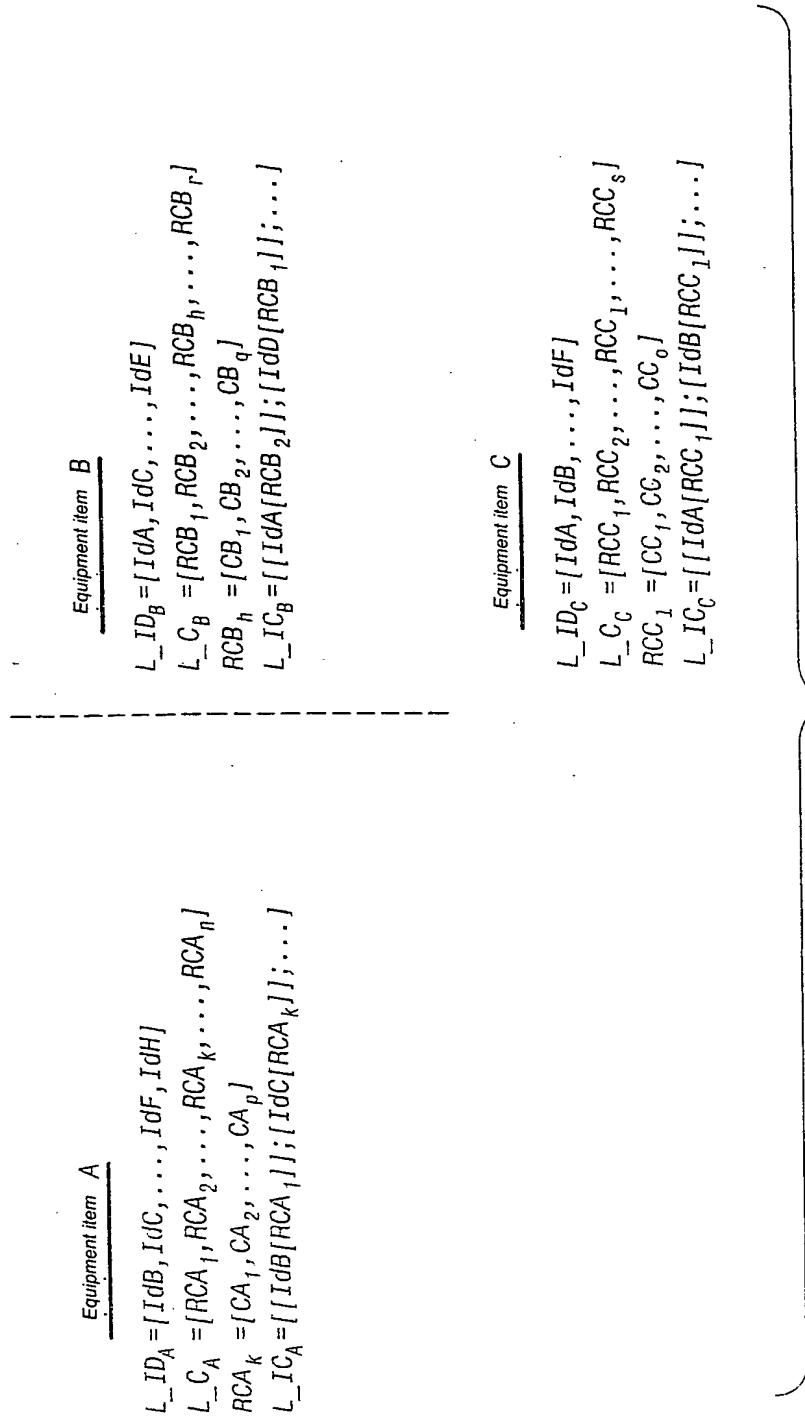

FIG.4b

BEST AVAILABLE COPY

$$L_IC_A = [[IdB[RCA_1]];[IdC[RCA_p]]]$$

$$CC_{ABC} = RCA_1 \cap RCA_p$$

FIG.4c

$$L_IC_A = [[IdB,[RCA_1]];[IdC[RCA_p]]]$$

$$\overbrace{b=(010010)} \quad \overbrace{c=(010010)}$$

$$CC_{ABC} = b \cap c = bitand(b,c)$$

FIG.4d

$$L_IC_A = [[IdB[RCA_1]];[IdC[RCA_p]]]$$

$$CC_{ABC} = RCA_1 \cup RCA_p$$

FIG.4e

$$L_IC_A = [[IdB[RCA_1]];[IdC[RCA_p]]]$$

$$\overbrace{b=(010010)} \quad \overbrace{c=(010011)}$$

$$CC_{ABC} = b \cup c = bitor(b,c) = 010011$$

FIG.4f

BEST AVAILABLE COPY

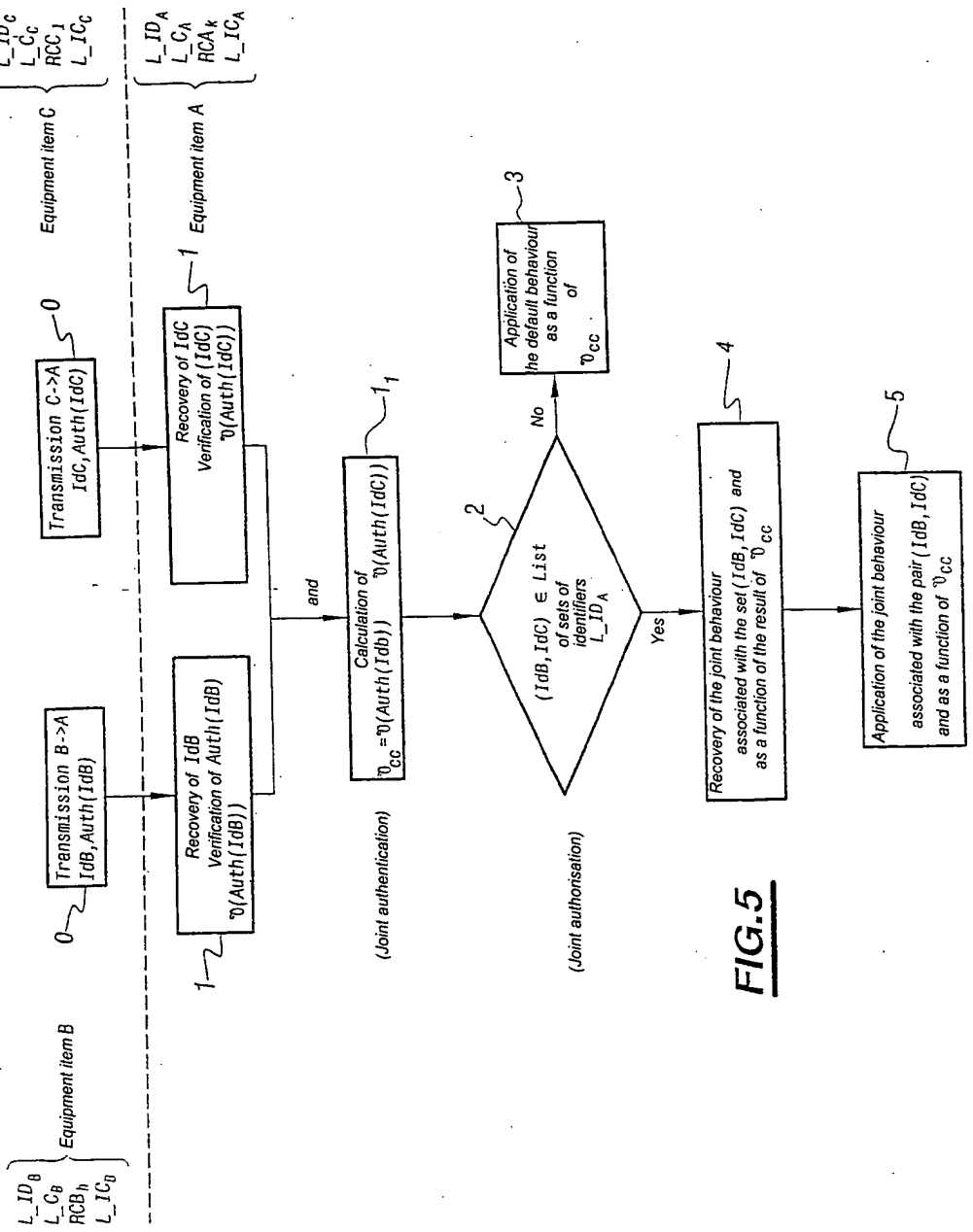

FIG.5

BEST AVAILABLE COPY